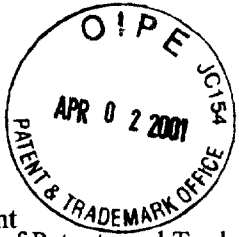


04-12-2001



FORM PTO-1595

Docket No. 37254/SAH/B600



**101661574**  
**RECORDATION FORM COVER SHEET**  
**PATENTS ONLY**

Box Assignment  
Commissioner of Patents and Trademarks  
Washington, D.C. 20231

4.8.01

Post Office Box 7068  
Pasadena, CA 91109-7068

Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof:

<p><b>1. Name of conveying party(ies):</b> <b>Alexander G. MacInnis, Chengfuh Jeffrey Tang, Xiaodong Xie, Vivian Hsiun</b></p> <p>Additional name(s) of conveying party(ies) attached: No</p>	<p><b>2. Name and address of receiving party(ies):</b></p> <p>Name: <b>Broadcom Corporation</b></p> <p>Street Address: <b>16215 Alton Parkway Irvine, California 92618</b></p>		
<p><b>3. Name of conveyance:</b></p> <p><input checked="" type="checkbox"/> Assignment      <input type="checkbox"/> Merger  <input type="checkbox"/> Security Agreement      <input type="checkbox"/> Change of Name  <input type="checkbox"/> Other:</p> <p>Execution Date: <b>12 February 2001; 9 February 2001; 9 February 2001; 12 February 2001</b></p>	<p>Additional name(s) &amp; address(es) attached? No</p>		
<p><b>4. Application number(s) or patent number(s):</b></p> <p>If this document is being filed together with a new application, the execution date of the application is: .</p> <table style="width:100%; border: none;"> <tr> <td style="width:50%; border: none;"> <p>A. Patent Application No.(s) <u>09/640,870</u></p> </td> <td style="width:50%; border: none;"> <p>B. Patent No.(s)</p> </td> </tr> </table> <p>04/04/2001 EEKUBAY1 00000099 09640870  01 FC:581 40.00 OP</p> <p style="text-align: right;">Additional numbers attached? No</p>		<p>A. Patent Application No.(s) <u>09/640,870</u></p>	<p>B. Patent No.(s)</p>
<p>A. Patent Application No.(s) <u>09/640,870</u></p>	<p>B. Patent No.(s)</p>		
<p><b>5. Please return the recorded document and address all correspondence to:</b></p> <p><b>CHRISTIE, PARKER &amp; HALE, LLP</b> P.O. Box 7068 Pasadena, CA 91109-7068</p> <p>Attention: <b>Art Hasan</b></p>	<p><b>6. Total number of applications and patents involved.....</b> <span style="border: 1px solid black; padding: 2px 10px;">1</span></p> <p><b>7. <input checked="" type="checkbox"/> Total fee enclosed (37 CFR 3.41):</b>      \$ 40.00</p> <p><b>8. <input checked="" type="checkbox"/> Any deficiency or overpayment of fees should be charged or credited to Deposit Account No. 03-1728, except for payment of issue fees required under 37 CFR § 1.18. Please show our docket number with any credit or charge to our Deposit Account.</b></p>		
<p><b>9. Statement and signature.</b> To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.</p> <p>Date: <b>March 28, 2001</b></p> <p style="text-align: center;">By </p> <p style="text-align: center;">Name: <b>Art Hasan</b> 626/795-9900</p> <div style="border: 1px solid black; padding: 5px; margin-top: 5px;"> <p><b>HEREBY CERTIFY THAT THIS CORRESPONDENCE IS BEING DEPOSITED WITH THE U.S. POSTAL SERVICE AS FIRST CLASS MAIL IN AN ENVELOPE ADDRESSED TO: COMMISSIONER OF PATENTS AND TRADEMARKS, WASHINGTON, D.C. 20231 ON:</b>  <b>3/28/01</b>   (DATE SIGNED)</p> </div> <p style="text-align: right;">Total number of pages including cover sheet, attachments, and document: <span style="border: 1px solid black; padding: 2px 10px;">4</span></p>			
<p><b>10. <input type="checkbox"/> Explanatory letter is enclosed.</b></p>			

SAH/sd2

JHG PAS337116.1-\*3/28/01 9:14 AM

**PATENT**  
**REEL: 011657 FRAME: 0447**

**ASSIGNMENT**

**WHEREAS, WE**, ALEXANDER G. MACINNIS, CHENGFUH JEFFREY TANG, XIAODONG XIE, and VIVIAN HSIUN, residing at Los Altos, California, Saratoga, California, San Jose, California, and Palo Alto, California, respectively, have invented certain new and useful improvements disclosed in an application for United States Letters Patent entitled **VIDEO AND GRAPHICS SYSTEM WITH VIDEO SCALING**, filed August 18, 2000, Application No. 09/640,870.


**AND WHEREAS** BROADCOM CORPORATION, a California corporation, having a place of business at 16215 Alton Parkway, Irvine, California 92618 (hereafter, together with any successors, legal representatives or assigns thereof, called "ASSIGNEE") wants to acquire the entire right, title and interest in and to said improvements and application.

**NOW, THEREFORE**, in consideration of the sum of One Dollar (\$1.00) to us in hand paid, and other good and valuable consideration, the receipt of which is hereby acknowledged, we have sold, assigned, transferred and set over, and do hereby sell, assign, transfer and set over to ASSIGNEE the entire right, title and interest in and to said improvements, and said application and all divisions and continuations thereof, and all United States Letters Patents which may be granted thereon and all reissues, reexaminations and extensions thereof, and all priority rights under all available International Agreements, Treaties and Conventions for the protection of intellectual property in its various forms in every participating country, and all applications for patents (including related rights such as utility-model registrations, inventor's certificates, and the like) heretofore or hereafter filed for said improvements in any foreign countries, and all patents (including all continuations, divisions, extensions, renewals, substitutes, and reissues thereof) granted for said improvements in any foreign countries; and we hereby authorize and request the United States Commissioner of Patents and Trademarks, and any officials of foreign countries whose duty it is to issue patents on applications as aforesaid, to issue all patents for said improvements to ASSIGNEE in accordance with the terms of this Assignment;

**AND WE HEREBY** covenant that we have full right to convey the entire interest herein assigned, and that we have not executed, and will not execute, any agreement in conflict herewith;

**AND WE HEREBY** further covenant and agree that we will communicate to ASSIGNEE any facts known to us respecting said improvements, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute and reissue applications, make all rightful oaths and generally do everything possible to aid ASSIGNEE to obtain and enforce proper patent protection for said improvements in all countries.

IN TESTIMONY WHEREOF, I hereunto set my hand this 12<sup>th</sup> day of February, 2001.

  
\_\_\_\_\_  
Alexander G. MacInnis


\*\*\*\*\*

IN TESTIMONY WHEREOF, I hereunto set my hand this 9 day of February, 2001.

  
\_\_\_\_\_  
Chengfu Jeffrey Tang

\*\*\*\*\*

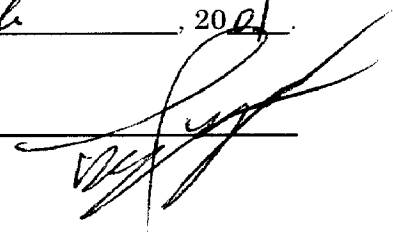
IN TESTIMONY WHEREOF, I hereunto set my hand this 9 day of February, 2001.

  
\_\_\_\_\_  
Xiaodong Xie

\*\*\*\*\*

IN TESTIMONY WHEREOF, I hereunto set my hand this 12 day of Feb, 2001.

\_\_\_\_\_  
Vivian Hsiun



SAH/jhg  
JHG PAS287740.1\*-11/25/00 12:05 PM